SESEY 2020

July 12-17
Corvallis, Oregon

Explore the world of engineering in an immersive, inclusive environment.

Applications due: May 25
Notification date: June 1
Cost to attend: $250
(Financial assistance available.)

Arrive: 4 p.m. Sunday, July 12
Depart: 8 p.m. Friday, July 17

COLLEGE OF ENGINEERING

SUMMER EXPERIENCE IN SCIENCE AND ENGINEERING FOR YOUTH

WHAT IS SESEY?

SESEY is an immersive, hands-on summer program in science and engineering at the Oregon State University campus in Corvallis. Students live in university housing and work on projects in real engineering laboratories.

Participants learn lab safety, become acquainted with equipment and procedures, perform experiments, collect data, and report their findings at a poster session for faculty, parents, and friends. The program includes evening major and career information sessions, organized recreational activities and the use of Dixon Rec Center, and a field trip to the University of Oregon Knight Science Campus.

The truly unique aspect of the SESEY program is the research component. Each SESEY participant will be assigned to a research lab where they will work with a faculty member and student mentors in the College of Engineering on a weeklong project in engineering fields such as: Chemical Engineering, Materials Science, and Energy Systems; Bioprocessing and Biomedical Engineering; Mechanical, Industrial, and Manufacturing Engineering; Civil and Construction Engineering; and Electrical Engineering and Computer Science.

IS SESEY FOR ME?

The mission of SESEY is to encourage students from underrepresented groups to explore the world of engineering. Participation is open to all who support this mission and otherwise meet the application requirements. Young women and minority students are especially encouraged to apply. Up to 60 students may be selected to participate based on the following criteria:

- Must have completed 9th, 10th, or 11th grades by June 2020.
- Must be able to fully participate for the entire week.
- Must submit a two-page, handwritten application essay.
HOW DO I APPLY?
Completed applications should be postmarked by May 25, 2020. Applications should include the following:

SESEY application: Include contact information (email preferred) and parent/guardian signature.

Handwritten essay: This is very important! Include information about yourself, your activities and interests, your family, and, most importantly why you want to attend SESEY.

High school transcript: An unofficial copy is acceptable.

Mail all of the above items in one envelope to:

SESEY
Oregon State University
116 Johnson Hall
Corvallis, OR 97331-2702

Successful applicants will be notified by June 1.

WHAT DOES IT COST?
The program fee of $250 per student includes room and board and is payable upon arrival. Assistance, including full and partial scholarships, is available upon request. Assistance is awarded based solely on need. Participating students' families are responsible for travel to and from Corvallis.

SESEY FOR TEACHERS
High school teachers may apply to participate in a concurrent program involving the development of high school-level modules related to STEAM. Participating teachers are expected to incorporate this material into their courses. Each selected teacher will be allowed to nominate one student from their school to participate in the student portion of the SESEY program. Interested high school teachers should contact the SESEY director.

ACKNOWLEDGEMENTS
Past funding for SESEY has been provided by the Camille and Henry Dreyfus Special Grants Program, College of Engineering, NSF through faculty grants, Bridges Family Foundation, and Hewlett Foundation. Ongoing support from OSU Precollege Programs and the UO Industrial Masters Program is greatly appreciated.

OREGON STATE UNIVERSITY
As Oregon's leading public research university, Oregon State's impact reaches across the state and beyond.

With campuses in Corvallis and Bend, the OSU Portland Center, the Hatfield Marine Science Center in Newport, 11 colleges, 15 experiment stations, and 42 extension offices, Oregon State has a presence in every one of Oregon's 36 counties, with a statewide economic impact of $2.714 billion.

COLLEGE OF ENGINEERING
Our college endeavors to create solutions that promote strong economies, healthy people, and a sustainable natural environment. Our program has a long history of producing world-class engineering graduates who make major impacts on society through significant contributions in science and technology. Alumni achievements include breakthrough innovations such as a revolutionary artificial heart valve, the computer mouse, and the concept of email.

By emphasizing authentic, experiential engineering within our curriculum, we equip students with the knowledge, skills, and passion to advance innovative solutions to today's most complex engineering challenges in an inclusive environment.